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Powerful addressable fire system

- Proven reliability suitable for commercial and industrial installations
- On-Board 10/100 Network Communication
- Full range of zone expansion, communication, and relay output capability
- Flash Updateable: No more firmware chips to replace
- Adaptive Technology™ — Cost-effective supervised cellular backup

DMP XR150FC/XR550FC Series panels deliver true flexibility and expandability to cover all your fire needs.

XR150FC/XR550FC SERIES COMMERCIAL FIRE PANELS

SYSTEM FEATURES

- Up to 562 two-wire smoke detector or fire initiating zones on XR550FC
- Up to 142 two-wire smoke detector or fire initiating zones on XR150FC
- Up to .5 Amps 12 VDC smoke and auxiliary output with OVC protection
- Up to .7 Amps 12 VDC supervised bell output
- Up to 506 fully-programmable Form C relays
- Serial 3 Digital Dialer or CID reporting to multiple receivers
- Eight communication paths between the panel and Central Station
- Built-in remote or on-site feature upgrade capability
- 12,000 event buffer
- Multi-lingual menus available by user
- Multiple on-board status LEDs
- Up to 100 output schedules to control relays and panel outputs
- 32 individual reporting areas, with common areas
- Output Groups: Maximum functionality–Minimum programming

XR150DNFC/XR550DNFC SYSTEM FEATURES

- All above listed System Features
- On-board Ethernet connection for Network Monitoring™
- Customizable check-in time and retry time
- Suitable for multi-site applications where the Internet or LAN/WAN is available

XR150FC & XR550FC FIRE PANELS

The XR150DFC and XR550DFC provide basic fire monitoring for any single site application. The XR150DNFC and XR550DNFC panels provide all the same basic fire monitoring as the XR150DFC and XR550DFC enhanced by the on-board Ethernet connection that allows the use of Network Monitoring™. Both panels come fully assembled from the factory with the following components:

CONTROL PANEL

The XR150FC and XR550FC Series addressable fire panels provides complete system control for local NAC operation and DACT, NET, or Cell communication to the central station. The microprocessor based panel also provides input for Class A zone expansion, conventional and addressable smoke detectors, pull stations, and heat detectors.

ENCLOSURE

The enclosure is comprised of cold rolled steel in Red to distinguish it for fire operation. For added security, the enclosure comes with a lock and key.

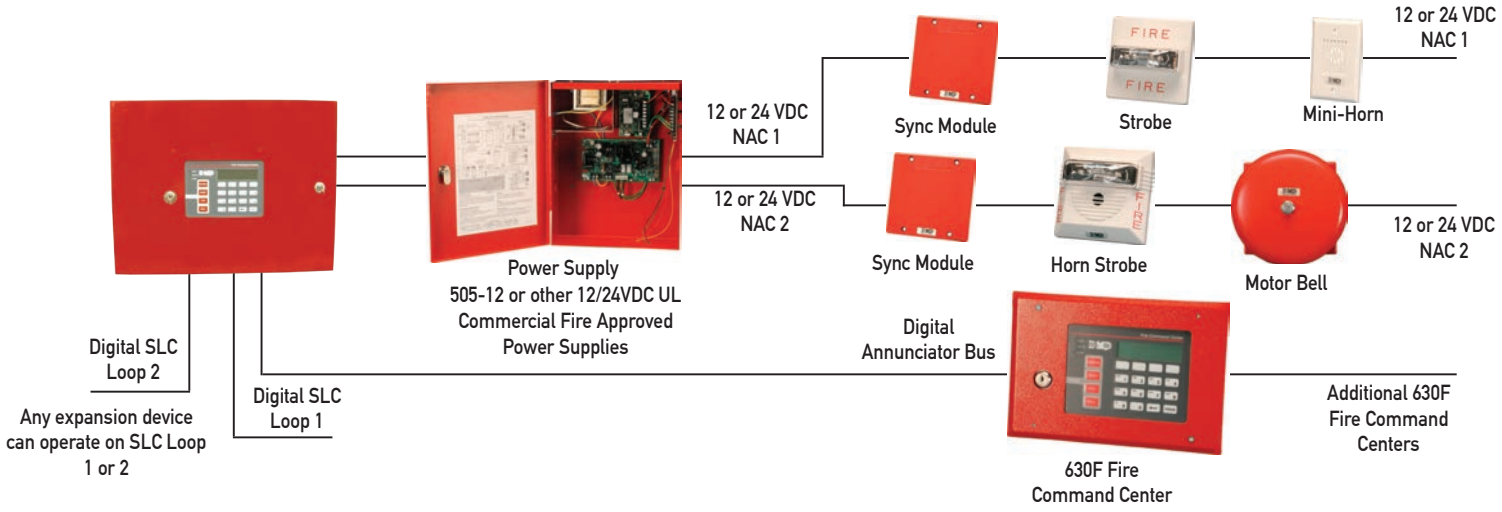
KEYPAD ANNUNCIATOR

The Fire Command Center mounted in the door offers a 32-character full text LCD readout that displays system events and menu prompts, making it efficient and easy-to-use.

TRANSFORMER AND ENCLOSURE

The 16 VAC, 56 VA wire-in transformer is factory installed and features a built-in PTC for power circuit protection.

XR150FC/XR550FC TYPICAL NOTIFICATION/ANNUNCIATION



FLEXIBLE COMMUNICATION

The XR150DNFC and XR550DNFC has transitioned from dialer-focused communications to a true network and cellular communications approach by providing stronger, multi-layered panel communications that ensure a constant link between the panel and Central Station. Installers have the ability to create, configure and manage up to eight communication paths.

The unique DMP Serial 3 format supports 16 or 32-character user, zone and area names to decrease the central station response time and limit dependence on automation literal tables for message conversion.

NETWORK OR CELLULAR COMMUNICATION

Built-in 10/100 auto-sensing Ethernet connection enhances both standard and encrypted line security options. Both UDP and TCP are supported. The network option can be used as the primary or backup path to the digital dialer or cellular option.

The XR150FC and XR550FC Series Panels may be used with the 263C or 263H Digital Cellular Communicator as the primary path (no backup required) for commercial fire installations.

The check-in and fail time settings are programmed for five minutes. As the backup path, the 263C or 263H provides the security of a communication link that continues to function, even when land lines are cut or compromised. The communicators can be used as a stand-alone communicator without the need for a backup. This interface works on digital Cellular data networks over a variety of carriers in the USA and Canada.

EIGHT COMMUNICATION PATHS

Create, configure, and manage up to eight communication paths between the panel and Central Station. Each path has its own panel communication programming parameters, and can be identified as either primary or backup. This enables installers to configure a reliable communication link, offering greater confidence that the panel will always be connected to the Central Station.

COMMUNICATION FUNCTION DIAGNOSTICS

The enhanced diagnostic menu enables technicians to check network and cellular communication status, cell signal strength, and email status from the keypad.

FIRE ZONE PROGRAMMING

Program zones for fire, fire verify, fire retard, presignal, cross zoning, or fire supervisory. This flexibility allows the ability to match individual zone characteristics to the needs of any area in the fire installation.

ZONE EXPANSION

The XR150FC and XR550FC provide up to 570 zones, programmable for a variety of fire applications. The system provides Class B 12 VDC powered zones, two on-board and four on the 715 Module, plus eight panel burglary zones. Up to 60 zones are available on 15 keypad addresses and up to 100 zones are available on each built-in LX-Bus™ using Expansion Modules.

FIRE VERIFY

Used primarily for smoke detector circuits to verify the existence of an actual fire condition. When a Fire Verify zone initiates an alarm, the panel performs a Sensor Reset. If any Fire Verify zone initiates an alarm within 120 seconds after the reset, an alarm is indicated. If an alarm is initiated after another 120 seconds, the cycle is repeated.

NOTIFICATION CIRCUIT EXPANSION

Easily add NAC outputs to the XR150FC/XR550FC system. Up to three Class B modules can be mounted within the FACP. Model 865 or 866 Class B NAC Modules may be combined with a power supply to provide additional 4 Amp NAC outputs. Use an 867 on the SLC Loop to further expand NAC circuits.

FIRE DRILL AND ONE-MAN WALK TEST

Users can test fire notification bells using the Fire Drill feature. A special code is also available for installers to test the system. The one-man walk test feature allows a single technician to check the panel response to fire, burglary, panic and supervisory zones.

BUILT-IN PROGRAMMER AND DIAGNOSTICS

No programming device is required, enabling installers and service technicians to fully program the system and run diagnostics from any DMP LCD keypad. Check the electrical state of zones, find individual zone numbers, check the LX-Bus for Missing, Overlapping and/or Extra zones, and much more, all from any DMP LCD keypad.

FLASH UPDATEABLE

The XR150FC and XR550FC panels accept software updates from a remote location using Remote Link™ software. When new XR150FC/XR550FC feature updates release, perform the flash update remotely.

OUTPUTS

The XR150FC and XR550FC allow the use of two SPDT relay outputs and four open collector outputs, that may be activated by zone or system events, by schedule, through the User Menu or when a card is presented. Output Groups allow multiple outputs to activate with a single event and/or can be assigned to a particular user profile.

OUTPUT SCHEDULES

Achieve maximum system flexibility with 100 programmable schedules that simplify planning and operations. Control any contact-activated device with schedules that automatically regulate relays and switched-ground outputs.

MULTI-LINGUAL DISPLAYS

For additional flexibility, keypads attached to the XR150FC and XR550FC panels can display keypad Status List and User Menu text using multiple languages. The user has the option to select the language to use.

STATUS LIST

To provide maximum system flexibility, fire zones may be programmed to display at a specific keypad. In this manner, all fire zones can be monitored in one location and other zones can be programmed to display and be monitored at different keypad locations.

12,000 EVENT MEMORY

Allows the user to view the last 10,000 door accesses or 2,000 system events that occurred over the past 45 days.

REMOTE LINK

The Remote Link programming software takes advantage of the easy-to-use simplicity of Microsoft® Windows™. The XR150FC and XR550FC include an interface connection for installers to use to connect a laptop computer.

XR150FC/XR550FC

KEYPADS

630F	LCD Remote Fire Command

EXPANSION MODULES

710	Bus Splitter/Repeater
711	Single Zone Expansion
714	4-zone Class-B Expansion
714-8	8-zone Class-B Expansion
714-16	16-zone Class-B Expansion
715	4-zone 2-wire smoke Expansion
715-8	8-zone 2-wire smoke Expansion
715-16	16-zone 2-wire smoke Expansion
716	Output Expansion, 4 Form C relays, 4 open collector outputs
717	Graphic Annunciator: 20 open collector outputs

CELLULAR COMMUNICATORS

263C	CDMA Cellular Communicator
263H	HSPA+ Cellular Communicator
263HCAN	HSPA+ Cellular Communicator (All require a 381 cable)

AUXILIARY MODULES

860	Relay Output Module
865	Style W/X Notification Circuit Module
866	Style W Notification Circuit Module
867	LX-Bus Notification Circuit Module
869	Style D Class A Initiating Circuit Module
893A	Dual Phone Line Module

POWER SUPPLIES

505-12/LX	5 Amps @ 12 VDC
505-12L	5 Amps @ 12 VDC
505-12A	5 Amps @ 12 VDC

PULL STATIONS

850	Series Pull Stations

SMOKE/HEAT DETECTORS

521B/BXT	Conventional Smoke, CleanMe
521LX/LXT	Addressable Smoke/Heat, CleanMe

ACCESSORIES

270	Network Transient Suppressor
277	Commercial Fire Buzzer Module
300	Four-wire Harness
303	Silence/Reset Push-Button
305	Plug-in Output Relay
306	Tamper Harness
307-S	Screw-On Tamper Switch
3012	Clip-On Tamper Switch
335	Intrusion Siren
370	Lightning Suppressor
374	Surge Voltage Suppressor
381-2	18" Coax Extension
431	Output Harness
861	Power Distribution Module

CENTRAL STATION RECEIVERS

SCS-1R Network Enabled Receiver Compatable with Central Station Receivers that accept Standard CID, DD, or DMP Serial 3 messaging

SCS-VR (Virtual Receiver) Software only solution that runs on a server for network IP and cellular communications

DMP WIRELESS

Two Way

1100X	Receiver
1100XH	High Power Receiver
1100R	Repeater
1103	Universal Transmitter, External Contact
1165	Commercial Smoke Detector
1165H	Commercial Smoke/Heat Detector
1165HS	Commercial Smoke/Heat Detector with Sounder
1181	Post Indicator Valve (UL)
1182	Outside Screw and Yoke Valve Supervisory Switch (UL)
1183-135F	Heat Detector
1183-135R	Heat Detector
1184	Carbon Monoxide Detector

COMPUTER SOFTWARE

Remote Link Upload/Download Programming Software

System Link End-User Management Software

Alarm Monitoring Module

Command Center Module

Advanced Reporting Module

Account Groups Module

Link Server Application

SYSTEM SPECIFICATIONS

Primary Power (included)	16 VAC 56 VA transformer
Secondary Power	12 VDC Battery
Models	365, 366, 368 or 369
Output Rating	
Bell	Up to .7 Amps at 12 VDC
Smoke and Auxiliary	Up to .5 Amps at 12 VDC

For UL installations, total bell, smoke, and auxiliary cannot exceed 1.2 Amps using a 56 VA transformer.

Current Draw	180mA
Enclosure:	
Material	Cold-rolled steel (Red)

ORDERING INFORMATION

XR150DFC-R	XR150 Fire Control Panel
XR150DNFC-R	XR150 Fire Control Panel with Network
XR550DFC-R	XR550 Fire Control Panel
XR550DNFC-R	XR550 Fire Control Panel with Network

LISTINGS AND APPROVALS

Refer to the XR150FC/XR550FC Installation Guide (LT-1297), XR150FC/XR550FC Programming Guide (LT-1232) and specific compliance listings for installation and programming requirements necessary to meet a particular approval.

FCC Part 68

FCC Part 15

Underwriters Laboratories (UL) Listed

ANSI/UL 864 Fire Protective Signaling

For approval information, access www.dmp.com and select Compliance.

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